

Ministry of Education of the Republic of Belarus

Educational Institution

Belarusian State University of Informatics and Radioelectronics

Computer Systems Institute

\_\_\_\_\_\_\_\_\_\_\_\_\_ Dr.-Ing Vitaly V. Khoroshko Head of the Department of Information and Computer Systems Design BSUIR

**Technical Assignment for Graduation Project**

**Piotr Myszkowski**

1. **Project Name**

Web Application for Freight Transportation Management approved by Order No.581-c from 03/26/2018.

1. **Date Terms**

05/01/2018 – 06/19/2018.

1. **Initial data for application development** 
   1. Purpose of the application – freight transportation management.
   2. A brief description of the application functions. The application should provide:
      * users accounts with diverse roles (client, carrier, etc.) and their administration;
      * the database with information about products, time and points of departure and delivery, etc.;
      * a set of tools for ordering, order managing and logistics activities;
      * connecting online maps to display routes;
      * the model for calculating the conditional order price.
   3. Requirements for the programming language – Java.
   4. Requirements for information storage – relational database MySQL.
   5. Requirements for client-side software are not specified.
   6. If necessary, allowed to use JavaScript and CSS code in html-pages.
   7. Other requirements will be specified during project implementation, if needed.
2. **Project Content Requirements 5. Graphics Requirements** 
   1. Title page. Technical Assignment. Content. Introduction. 5.1. ER-Model Database Diagram.
   2. Subject Area Description. 5.2. UML Class Diagram.
   3. Hardware Requirements (if needed). 5.3. UML Activity Diagram.
   4. Description of Technologies Used. 5.4. UML Deployment Diagram.
   5. Database Design. 5.5. UML Use Case Diagram.
   6. Application Structure and UI Design. 5.6. Screenshots of Application UI.
   7. Algorithms Design.
   8. Testing.
   9. User Manual (if needed).
   10. Conclusion. References. Attachments.



**6. Development Schedule**

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| Stage Name (requirements part) | | Terms | Notes |
| Meeting with graduate supervisor | |  |  |
| 1-st Checkpoint | |  | 40% |
| 2-nd Checkpoint | | 11/15/2018-  11/16/2018 | 70% |
| 3-d Checkpoint | | 11/29/2018-  11/30/2018 | 100% |
| Checking of Graduation Project | | 12/03/2018-  12/05/2018 | in agreement with instructor |
| Reviewing of Graduation Project | | 12/06/2018-  12/15/2018 |  |
| Presentation of Graduation Project | | 12/17/2018-  12/22/2018 | May be December 18, 2018 |
| Instructors of Graduation Project | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ M.Eng. Evgeni N. Shneiderov  Vice-Dean of the Faculty of Innovative and Lifelong Learning BSUIR, Senior Lecturer | | | |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pavel Protasevich Instructor of Computer Systems Institute | | | |
| Student | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Piotr Myszkowski | | | |